

COUNTY OF MONTEREY
BUILDING INSPECTION DEPARTMENT
MANDATORY ENERGY CHECKLIST

PATTERSON RESIDENCE, PETER PAN RD., CARMEL HIGHLANDS, MONTEREY CO.

Plan Check
Requirements

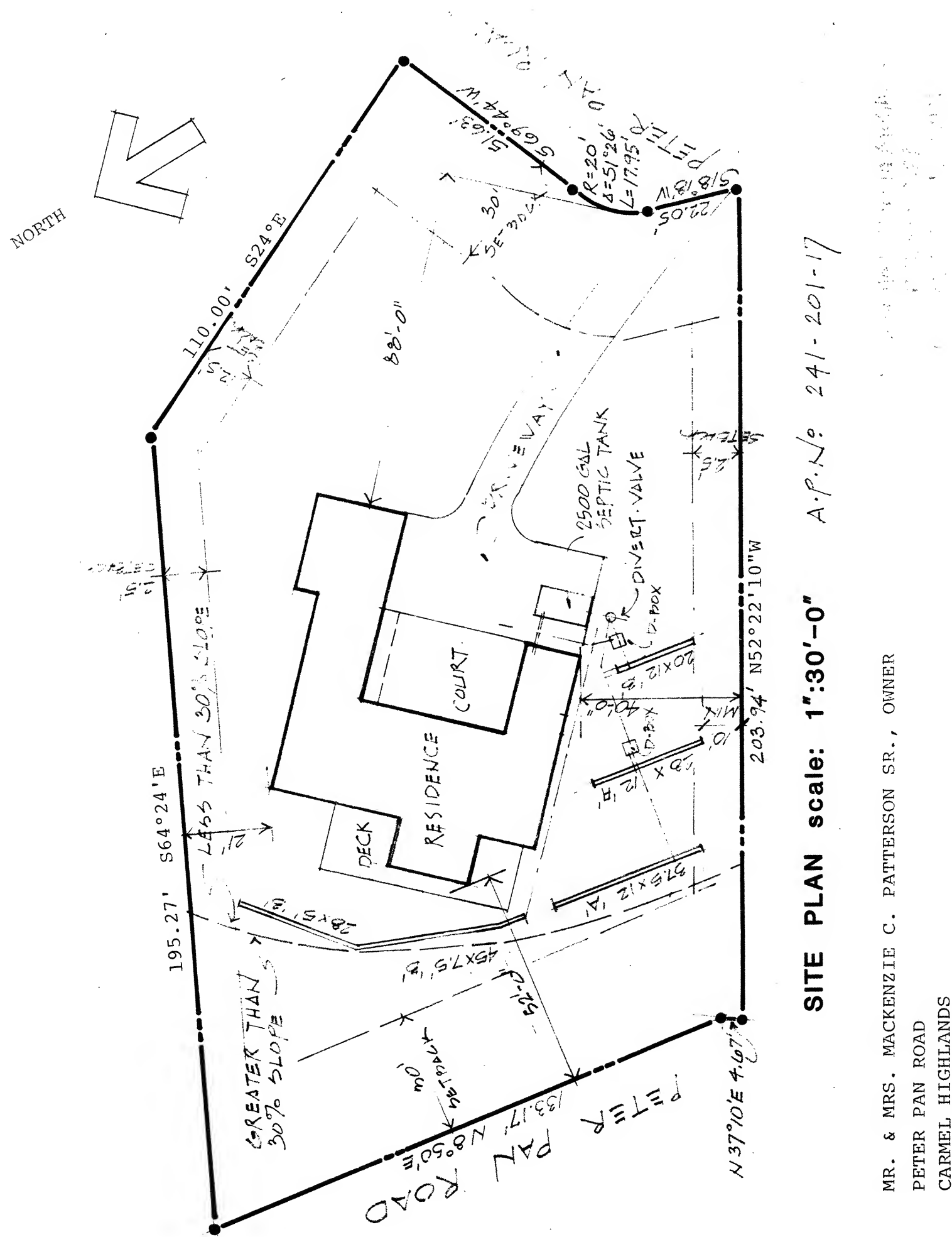
Field
Verification
Date

A. Slab Edge Insulation	N/A	R-Value R=N/A Rigid.	
B. Thermal Mass Type	Not Required	, Area	N.A. s.f.
C. Fireplace Outside Air Intake	(Minimum 6 sq. inches)	YES	
D. Sole Plate Caulking	YES		
E. Exterior Joints sealed Including Windows and Doors	YES		
F. Windows: Certified	YES	Labeled, Weatherstripped	U-Values 0.41
G. Doors: Labeled, Certified, Weatherstripped	YES		
H. Insulation:			
Raised Floors: Type 6" FIBER Certification	YES	R-Value 19.0	
Walls: Type 6" FIBER Certification	R-Value R=19.0		
Ceiling: Type 11" TECH Certification	R-Value R=38.0		
I. Infiltration Control (called for inspection)			
Piping & Conduit Penetration: Walls, Floors, & Ceilings.	Damper on all exhaust ducts.		
J. Fireplace installed	YES.	No. (1) (not applicable to stoves)	
Factory built N.A. Insert	NO	Masonry/ Site constructed	YES.
Flue Damper	YES	Operable	YES
Air Intake Damper	YES	Operable	YES
Metal or Glass Door	YES	Operable	YES
Tight Fitting	YES		
K. Space Conditioning: Heat Pump Model No.	N.A.	ACOP	N.A.
Heater Sizes	100,000 BTU	24.1% EER	Lennox G1405-1004
Appliance with IID	YES		
Sizing Calculations attached	NO	Exempt 94.1% SE See 2-5352(g).	(C)
Setback thermostats required	YES.	Brand Honeywell	Operable
Ducting of vents sized per approved plans	YES.		
Duct insulation R-Value (minimum R3)	R=3.0	or greater see spec.	
L. Water Heater per approved plan	YES	STATE PRV-50-PRT-2H (Propane)	
Blanket Insulated	YES	(Minimum R=12 or R=16 combination)	
may be used for labeled heater.			
Pipe Insulated - Hot & Cold (first 5' in uncond. space)	YES		
Recirculating Pipe Insulation	YES.	(minimum R-3)	
M. Steam Piping/Solar Systems Insulation	- R-Value	N.A.	
N. Plumbing fixtures:			
Showerheads Certified, Make & Model No.	As per code		
Faucets Certified	Make & Model No.	As per code	
O. General Lighting in Kitchen	YES	& Bathroom	YES
must exceed 25 lumens/watt. Luminaires which are the only light in a bathroom or for a specific task are exempt.			
P. Swimming Pools: Heater On-Off Switch	N.A.		
Heater, weatherproof plate	N.A.	or Card	N.A.
Heater 75% efficiency indent.	N.A.	min. 36" long pipe bet. filter and heater	N.A.
Pool cover present if pool is heater by utility	N.A.		
Time clock for circulation pump	N.A.	Pool directional inlets	

ALL ENERGY INSPECTIONS will be charged \$15.00 per trip unless inspection is made in conjunction with other call for inspections.

THE PLAN CHECKER WILL CHECK REQUIREMENTS.
THE INSPECTOR WILL VERIFY BY FILED INSPECTION.
THE OWNER WILL COMPLETE CENTER SECTION BEFORE INSPECTION.

APPROVED
PLAN CORRECTIONS
This document is part of the plans when signed by Applicant
Permit #
County of Monterey
Building Inspection Dept.



MR. & MRS. MACKENZIE C. PATTERSON SR., OWNER
PETER PAN ROAD
CARMEL HIGHLANDS

STRUCTURAL NOTES

BACKFILL: Under floor slabs and footings shall be clean, compacted sand.

CONCRETE: Shall be proportioned to give a minimum 28 day compressive strength of 2000 psi for continuous wall footings and slab on grade, and 3000 psi for foundation walls unless indicated otherwise. The slump shall be the minimum consistent with placing conditions but shall not exceed 4-1/2".

MASONRY: Shall be hollow concrete units, grade N, conforming to U.B.C. Standard #24-4. Grout shall be proportioned to give a minimum of 28 day compressive strength of 2000 psi. All cells shall be grouted solid. Reinforcing steel shall be accurately placed and positively in bond beam units. Units shall be placed in Type M or S (1500psi) mortar in running bond. Reinforcing steel shall be as noted on the plans except that all openings and end cells shall be reinforced with 2-#4 bars for 8" block along each boundary and extending 24" beyond all corners or through dowels to foundation. Construction shall conform to Section 2415 of the U.B.C.

REINFORCING STEEL: Shall conform to ASTM A615 Grade 40 for #3 bars and smaller, and Grade 60 for #4 bars and larger. Bars shall be wired together and lapped at splices a minimum of 30 bar diameters in concrete and 40 bar diameters in masonry. Where concrete is poured against earth, provide 3" minimum concrete around reinforcing steel. Concrete cover for other conditions to follow:
Formed Concrete Slab 1" min. Below Grade-Formed 2" min.
Concrete Slab on Grade 1-1/2" min. Other See plans

WELDED WIRE FABRIC: Shall be per ASTM A185 of the gauge and mesh size indicated on the plans, and shall be lapped a minimum of one mesh at all splices. Fabric shall be raised that depth at the free edge of the pour.

LUMBER SCHEDULE: Shall be as follows:
Rafters & Floors Joists DF #2 or better except as noted.
Beams & Headers; 5x5 & Larger Posts DF #1 or better as noted.
2x4 Studs & Blocking; 4x4 Posts DF Standard or better.
2x6 & Larger Studs, Blocking, Wall Plates DF #2 or better.
Wood Sills Pressure Treated DF #2 or better.

PLYWOOD: Shall be 3/4" T&G Doug. Fir Plug & Touch Sanded @ subfloor. 1/2" CDX Exterior shear plywood @ sidewalls. 5/8" CCX plywood @ Roof sheathing.

STUD WALLS: Horizontal bridging shall be installed in all walls and partitions where studs are more than 8'-0" in height. Stud walls supporting beams shall have posts under bearings unless otherwise noted. Non-shear and non-bearing partitions are not shown.

WOOD SILLS: Shall be attached to concrete slab or foundation with 5/8" x 10" anchor bolts at 4'-0" maximum spacing except as noted otherwise. There shall be a minimum of two fasteners per piece of sill.

DOUBLE PLATES: Shall lap a minimum of 4'-0" at splices and be nailed with no less than 12-16d nails each piece except as otherwise noted. All cuts in plates to occur over a stud.

HOLES: In wood sills or plates of shear or bearing walls shall be placed in the center of piece and shall be no greater in diameter than 1/3 the width of member. Holes larger than noted above may be bored in sills providing the sill is considered cut in two and anchor bolts placed accordingly.

BOLTS: Shall conform to ASTM 307 and U.B.C. Standard 25-17 unless noted otherwise. Bolt holes in wood shall be drilled 1/16" oversize. Washers shall be used in all bearing of heads and nuts against wood. Washers shall be standard cut washers except as noted. Bolts, nuts and washers shall be hot dip galvanized where exposed to the weather. All nuts shall be tightened when placed and retightened at completion of job or immediately before finishing construction work which will make them inaccessible.

LINTELS: Over openings in non-bearing walls shall be solid members the width of studs and of a minimum nominal depth at least equal to span in length in feet. Lintels in bearing walls to be 4x6 except as noted on plans.

CUTTING: Of beams and joists for pipes shall not be permitted without the approval of the Architect.

FRAMING ANCHORS: And other standard framing accessories shall be "Simpson" or approved equal, of the designation noted on plans. All nails shall be of size and length specified and supplied by the manufacturer unless noted otherwise. Use following schedule unless noted otherwise:

Joist Hangers	LU Series	Post to Sill Plate	BC Series
Beam to Plate	BC Series	Post to Concrete	PB Series
Post to Beam	AC Series		

CONCRETE ANCHORS: Where specified or required to be Phillips "Red Head" or approved equal.

CONVENTIONAL CONSTRUCTION: Requirements of the U.B.C. shall apply where applicable and when not specifically noted otherwise on the drawings. All nails shall be common wire nails of number and spacing specified in the latest edition of the U.B.C. Table No. 25P unless specifically noted otherwise.

HEADERS: Shall be full, nominal width of the walls in which they occur by depth as indicated below:

Less than 4'-0"	4"
4'-0" to Less than 6'-0"	6"
6'-0" to Less than 8'-0"	8"

Greater than 8'-0" 5/8" x 12" GLULAM or as noted on plans

Where headers occur in 2x6 stud walls the headers shall be 6" nominal width.

Wherever headers are required to be of a depth that will interfere with the double top plate, then the top plate shall be broken and a pair (one on each side) of Simpson ST6224 strap ties shall be used at each end to connect the header with the double plate.

PREFABRICATED ROOF & FLOOR TRUSSES: Shall be Engineered and fabricated by "Tri County Truss Inc.", Blackie Road, Castroville, CA. 95005. Roof Trusses shall be engineered to support 14 lbs/sf Tile Roofing Dead Load. Interior Floor Live Loads shall be 50 lbs/sf. All trusses shall be engineered for a maximum deflection of L/360.

